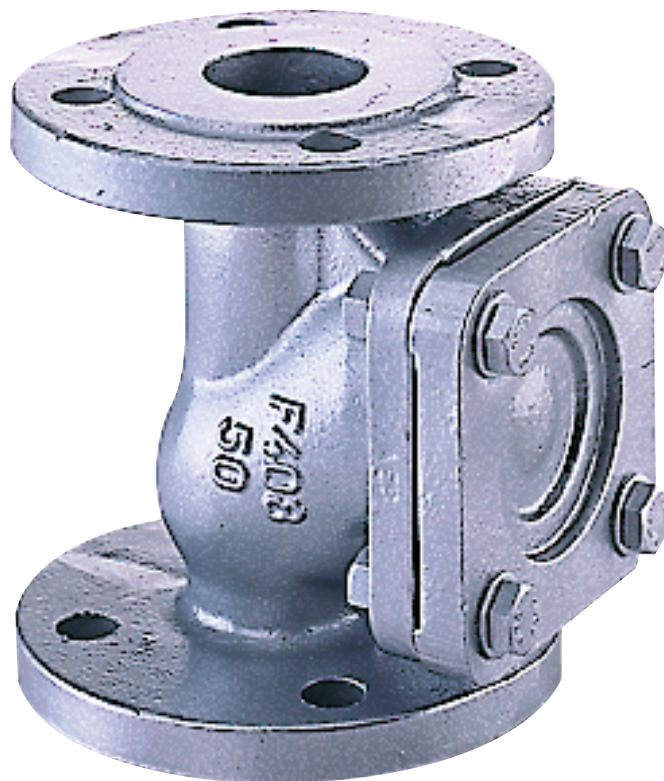


408X

Non-return valves with ball
System B

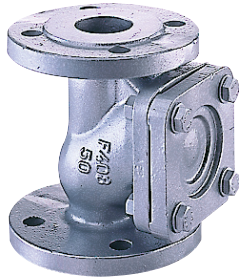
Technical Data Sheet



Description

The non-return valves with ball 408X consists of a self-cleaning ball lifted by the fluid and guided to a lateral seat, completely out of the way. This system provides a full bore, even with loaded fluids, without any risk of blockage.

- Vertical ascending and horizontal position (position the ball housing above the axis of the pipe)
- Minimum head loss
- Silent, robust
- Non incrustating materials
- Closing system : cast iron ball FKM coating
- Sealing guaranteed by the coating of the ball



408X

Non-return valves with ball - System B

DN	PN	PFA in bar	PS in bar				Cat.	Ref.	Weight Kg	
			L1	L2	G1	G2				
2	50	10/16	16	16	16	16	I	149B15052	9,1	
2 1/2	65	10/16	16	16	16	15	16	I	149B15053	12,4
3	80	10/16	16	16	16	12	16	I	149B15054	19,4
4	100	10/16	16	16	16	10	16	I	149B15055	26,4
5	125	10/16	16	16	16	0,5	16	I	149B15056	40,4
6	150	10/16	16	13	16	0,5	16	I	149B15057	3,9
8	200	10	10	10	10	0,5	10	I	149B15058	53,9

Important notice :

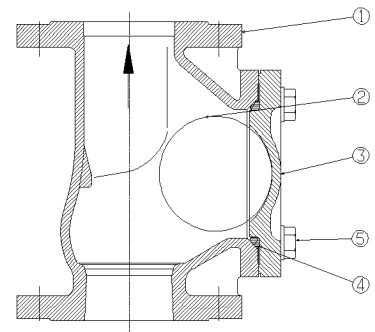
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions.

Technical features

Operating temperature	-10 °C to 150 °C
Permissible operating pressure (PFA) in water	See table above
Maximum permissible pressure (PS) other mediums	See table above
Connection	Flanges drilled PN (see table)
Mediums	Loaded corrosive liquids, industrial processes

Nomenclature and materials

N°	Description	Materials	EURO	ANSI
1	Body	Stainless steel	X5Cr-Ni18-10	AISI 304
2	Ball	DN 50 to 100	Aluminium / FKM	
		DN 125 to 200	Cast iron / FKM	EN-GJL-250
3	Plug	Stainless steel	X5Cr-Ni18-10	AISI 304
4	Seal	FKM		
5	Screw	Stainless steel	X5Cr-Ni18-10	AISI 304
	Nut	Stainless steel	X5Cr-NiMo17-12-2	AISI 316
	Washer	Stainless steel	X5Cr-Ni18-10	AISI 304



Approvals



International construction Standards :

Directive 2014/68/UE
CE conformity regulation 305/2011/UE Standard EN12050-4
Flange drilling according to EN1092-2
Length according to EN558-1 series 48

Application

Loaded corrosive liquids, industrial processes.

Installation

Installation :

Before putting valve into operation, check that:

- the working conditions are compatible with the details given on the identification plate, the instruction notice and the manufacturer's detail,
- the valve works effectively when tried (carry out a few opening and closing operations of the closing system),
- the valve is free-pollution inside.

On a new installation or after maintenance, the circuit must be rinsed with the valve completely open in order to remove solid matter which may damage the internal parts of the valve.

Commissioning :

The installation should be put under pressure progressively to avoid damage which might occur to internal components.

Make sure that when flow stops the valve maintains pressure well and that there is no water-hammer which might damage the valve or installation.

If there is water-hammer, an anti-water hammer system must be added to the installation.

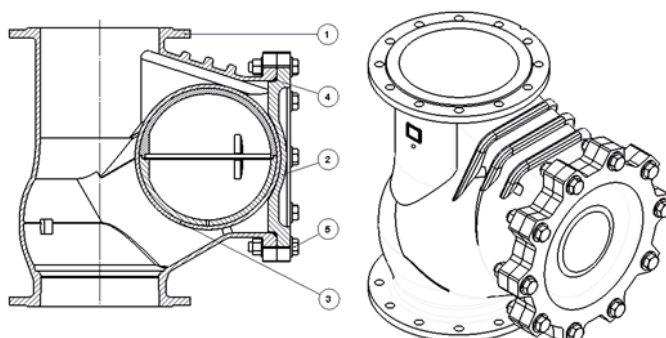
During a prolonged stoppage, a change in the state of the fluid may result in damage when the installation is brought back into service (solidification...).

Establish an adequate procedure program for cleaning the system.

Maintenance

• Removing :

1. Unscrew the support screw assembly (N°5)
2. Remove the cover (N°2)
3. Remove the O-ring (N°4)
4. Tip over the body (N°1) for remove the ball (N°3)



Type 408X

• Reassembly :

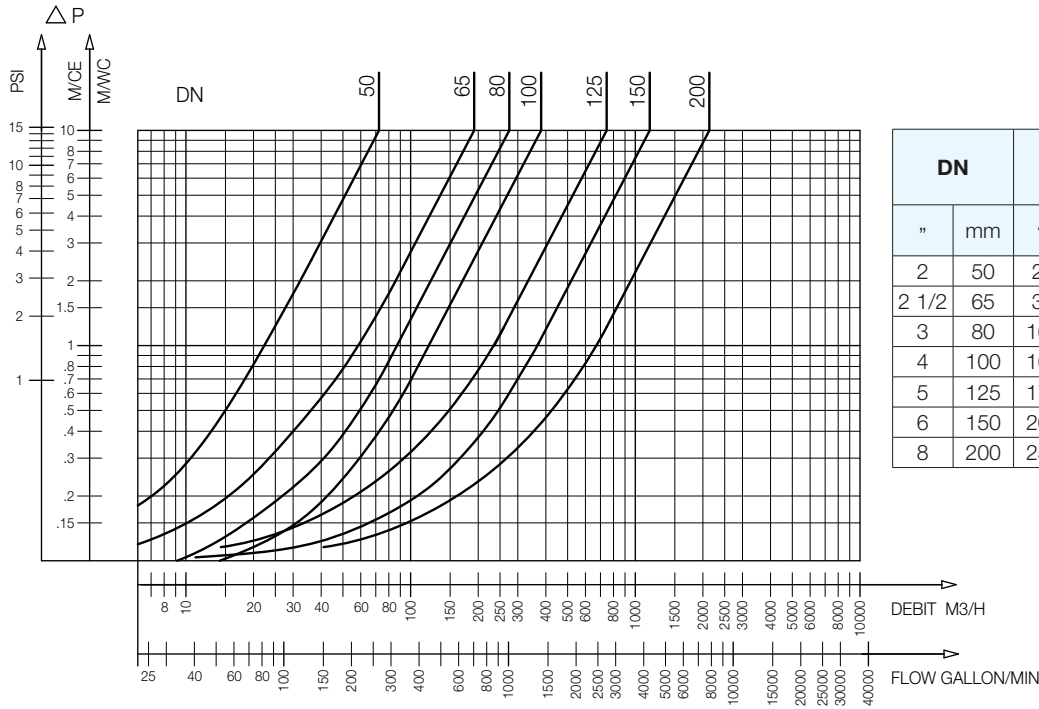
Before reassembling the valve, check the condition of the seal. If necessary, clean and grease it by using appropriate grease.

1. Place the ball (N°3) in the body (N°1)
2. Put in place the O-ring (N°4) on the cover (N°2)
3. Put in place the cover (N°2) on the body (N°1)
4. Tighten the screw assembly (N°5) to the contact and then :
 - a. Tighten to the couple of 35 Nm for the FIG.418 up to DN100 included
 - b. Tighten with a suitable tool for the others references

Operation

Direction for use :

- Solid line: Valve completely open

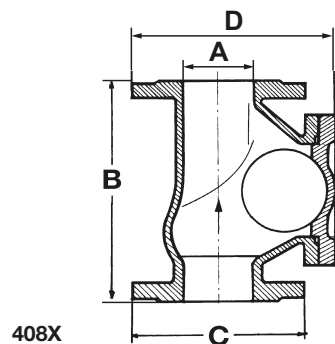


DN		Opening pressure in mm/CE		Kv m ³ /H	ζ
"	mm	↑	↔		
2	50	25	Near to 0	72,3	1,90
2 1/2	65	30		192,4	0,77
3	80	160		275,8	0,86
4	100	160		381	1,10
5	125	170		746,4	0,70
6	150	200		1161	0,60
8	200	250		2136,3	0,56

408X - Headloss chart

Sizing

	A	B	C	D
"	mm	mm	mm	mm
2	50	200	165	186
2 1/2	65	240	185	211
3	80	260	200	245
4	100	300	220	282
5	125	350	250	333
6	150	400	285	380
8	200	500	340	471



408X

The descriptions and photographs contained in this product specification sheet are supplied by way of information only and are not binding.

Socla reserves the right to carry out any technical and design improvements to its products without prior notice. Warranty : All sales and contracts for sale are expressly conditioned on the buyer's assent to Socla terms and conditions found on its website at www.socla.com. Socla hereby objects to any term, different from or additional to Socla terms, contained in any buyer communication in any form, unless agreed to in a writing signed by an officer of Socla.



A WATTS Brand

Socla sas

365 rue du Lieutenant Putier • 71530 Virey-Le-Grand • France
 Tel. +33 03 85 97 42 00 • Fax +33 03 85 97 42 42
contact@wattswater.com • www.socla.com
 ISO 9001 version 2015 / ISO 18001